SUPPORTING INFORMATION

Figure and Table legends

Figure S1. SA levels in *P. brassicae* eggs.

SA was quantified in eggs during four days after oviposition. Values (±SE) are the mean of three biological replicates.

Figure S2. Treatment with egg extract does not suppress the expression of insect-induced genes in distal leaves.

Col-0 *Arabidopsis* plants were treated for 5 days with *P. brassicae* egg extract and subsequently challenged for 48 h with *S. littoralis* larvae. Expression of insect-responsive genes in distal leaves was measured by quantitative real-time PCR. Values are normalized to the reference gene and expressed relative to unchallenged control samples. White bars indicate untreated plants. Black bars indicate distal leaves of plants treated with egg extract. Values (±SE) are the mean of three technical replicates.

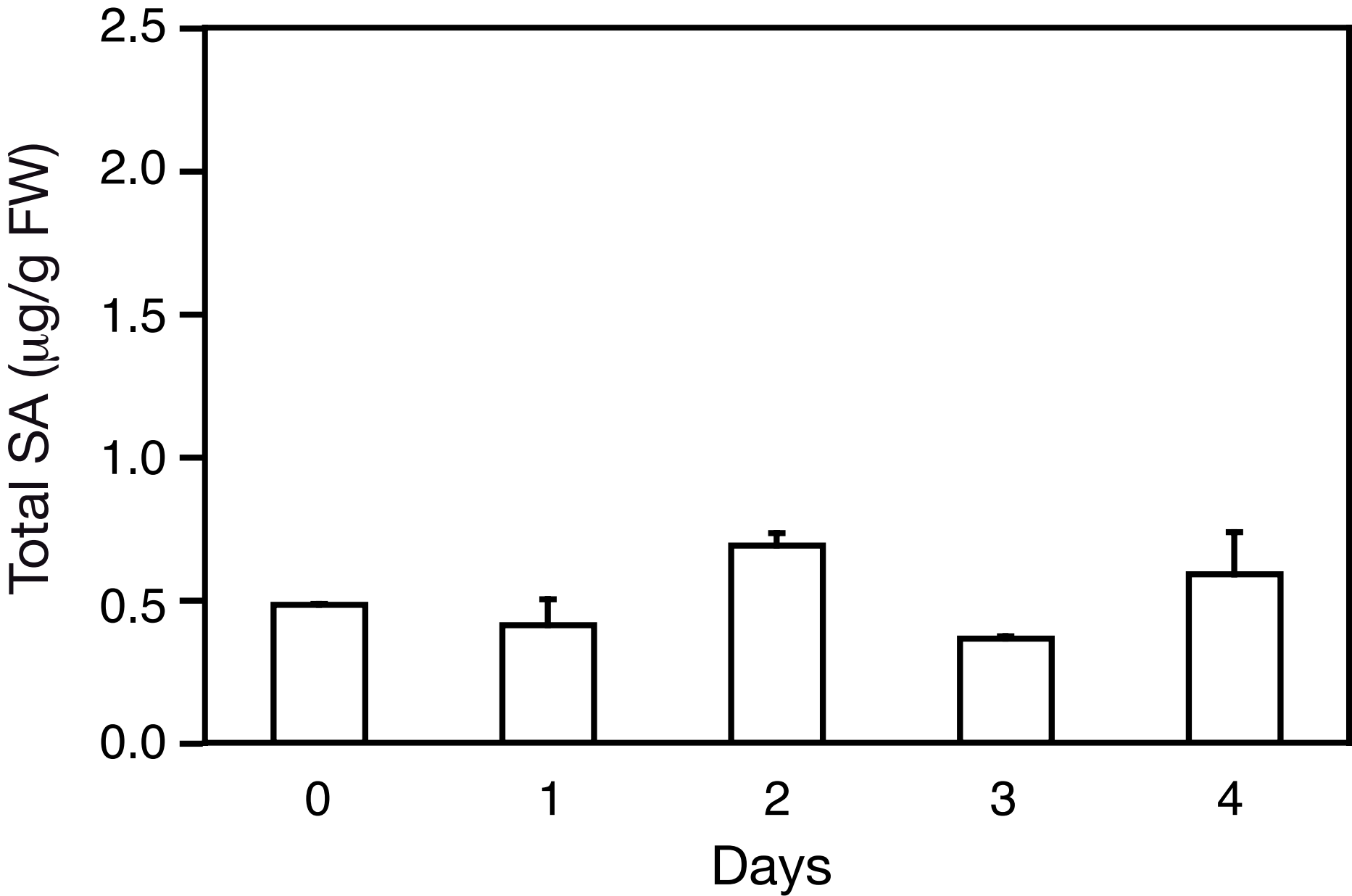
Figure S3. Treatment with egg extract suppresses the expression of insect-induced genes.

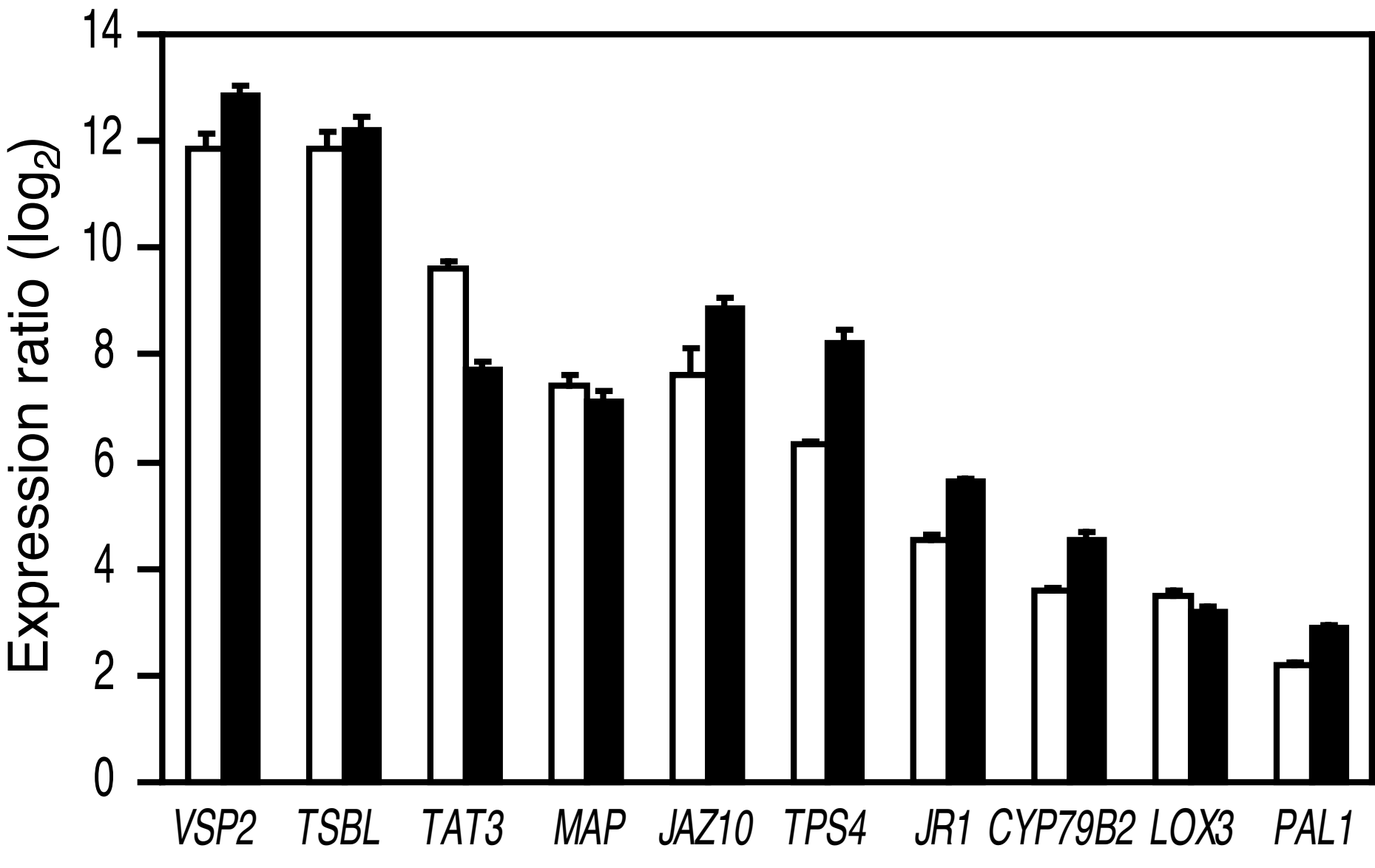
Col-0 *Arabidopsis* plants were treated for 5 days with *S. littoralis* egg extract and subsequently challenged for 48 h with *S. littoralis* larvae. Expression of insect-responsive genes was measured by quantitative real-time PCR. Values are normalized to the reference gene and expressed relative to unchallenged control samples. White bars indicate untreated plants. Black bars indicate plants treated with egg extract. Values (±SE) are the mean of three technical replicates.

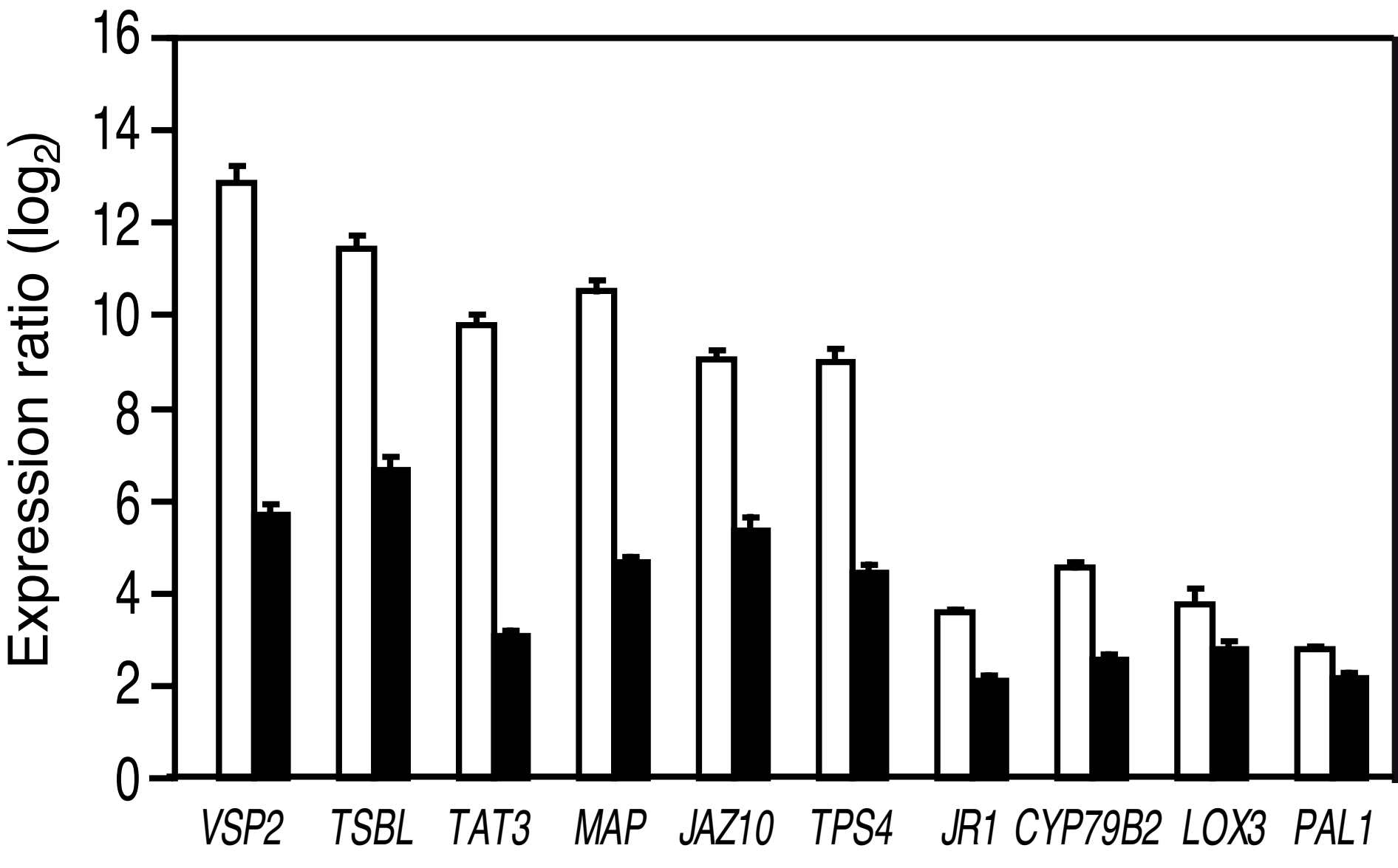
Figure S4. Treatment with egg extract does not suppress the expression of JA-independent genes.

Col-0 *Arabidopsis* plants were treated for 5 days with *P. brassicae* egg extract and subsequently challenged for 48 h with *P. brassicae* larvae. Expression of insect-responsive genes in oviposited leaves was measured by quantitative real-time PCR. Values are normalized to the reference gene and expressed relative to control plants. Grey bars indicate leaves only treated with egg extract. White bars indicate leaves only challenged with larvae. Black bars indicate leaves treated with egg extract and challenged with larvae. Values (±SE) are the mean of three technical replicates. *VSP2*, a JA-dependent gene, is shown for comparison. Similar results were found with plants challenged with *S. littoralis* larvae.

Table S1. List of primers used for real-time PCR and promoter::GUS constructs.


2.5
2.0
1.5
1.0
0.5
0.0
Total SA (µg/g FW)
0
1
2
3
4
Days


Expression ratio (log2)
14
12
10
8
6
4
2
0
VSP2
TSBL
TAT3
MAP
JAZ10
TPS4
JR1
CYP79B2
LOX3
PAL1


Expression ratio (log2)
16
14
12
10
8
6
4
2
0
VSP2
TSBL
TAT3
MAP
JAZ10
TPS4
JR1
CYP79B2
LOX3
PAL1

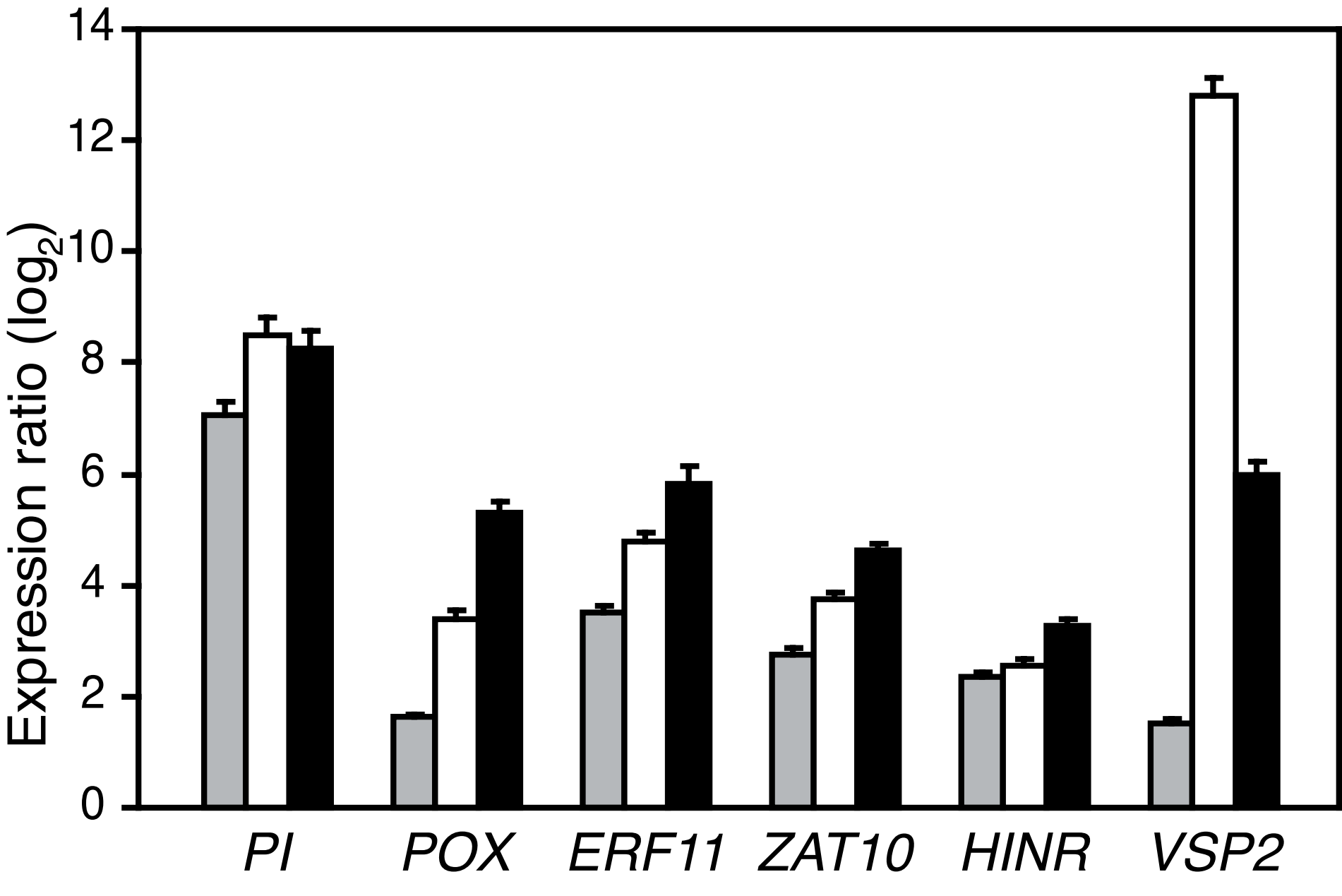

Expression ratio (log2)
0
2
4
6
8
10
12
14
PI
POX
ERF11
ZAT10
HINR
VSP2

Table S1. Primer list for qPCR and promoter-GUS constructs.

Description	Gene name	AGI	Primer sequence 5'-3'	Size (bp)
COI1-dependent insect-regulated genes				
Lipoxygenase	*LOX3*	At1g17420	Fwd-TGGAAATGAGTGCCGCCGCA	217
			Rev-GTAGCGTTCAACATAGGTTCG	
Terpene synthase	*TPS4*	At1g61120	Fwd-AATACTTGTCGTACGCACCAC	126
			Rev-GTCCATTGACGATGTGTGTC	
Jacalin lectin family protein	*JR1*	At3g16470	Fwd-GACTCTTGTGTGACCTATTTCA	204
			Rev-CTTAAGCGAGACGATTGCCG	
JA-zim-domain protein	*JAZ10*	At5g13220	Fwd-TACTATCCGACATCGGCCTAA	153
			Rev-GTATACGATTTAGCAACGACG	
Tyrosine amino transferase	*TAT3*	At2g24850	Fwd-TGATTTCTGCACGAAGCTAGTT	106
			Rev-TGATTCGTCGGTTCCTATCG	
Phenylalanine ammonia lyase	*PAL1*	At2g37040	Fwd-CCGGAGAGAAAGTGACGTCG	109
			Rev-CCGTTCCACTCGTTGAGACA	
Tryptophan synthase-like	*TSBL*	At5g28237	Fwd-ACTGGCAGAGCGGAGTTCTA	159
			Rev-CACCTTGGCTCCATCACGA	
Cytochropme P450	*CYP79B2*	At4g39950	Fwd-GGAGTCTAGTCACGATATGT	99
			Rev-GTCTCATCTCACTTCACCG	
Myrosinase-associated protein	*MAP*	At1g54010	Fwd-GACCGATGTTGAACGAATTG	178
			Rev-GCAACCATAAGCATCATGTG	
Vegetative storage protein	*VSP2*	At5g24770	Fwd-GGTGCCCGCAAATTGCAAAGACTA	262
			Rev-GGTTGATGCTCCGGTCCCTAACCA	
COI1-independant insect-regulated genes				
Protease inhibitor/LTP	*PI*	At3g22600	Fwd-TGGTGGTGGTGGTTCTACTT	75
			Rev-GTTTTCGATCCATTACCTGGT	
Peroxidase	*POX*	At5g64120	Fwd-AATTCTCCGCCTTGGGACTC	120
			Rev-CGGTTTGTCCGGTGGTATTGA	
Ethylene-responding factor	*ERF11*	At1g28370	Fwd-TCGGTGGTGATGGATGTCG	101
			Rev-AATTAAATCTTAATCAGTTCTCAG	
Salt tolerance zinc finger	*ZAT10*	At1g27730	Fwd-ATCAACACTAGTAGCGTGTC	170
			Rev-AAGTCAAACCGAGGCTTCTT	
Hin1-related	*HINR*	At2g27080	Fwd-TTGGCCGGAACATTTCCAATT	102
			Rev-TATTCTCTCAACAGCAAACTAC	
Reference gene				
SAND family protein	*SAND*	At2g28390	Fwd-AACTCTATGCAGCATTTGATCCACT	61
			Rev-TGATTGCATATCTTTATCGCCATC	
Promoter-GUS				
Trypsin inhibitor	*TI*	At1g73260	Fwd-attB1AGGACAATTGTTGGGTCGTTGC	1355
			Rev-attB2TTATTTGTGGATGAAGAAGATATGG	
Chitinase	*CHIT*	At1g73260	Fwd-attB1AACGCTCTTGGGACATACATGGC	1442
			Rev-attB2TGTTTTTGTGTCTGTGATGCAGACT	
Senescence-associated gene	*SAG13*	At2g29350	Fwd-attB1GCTTCACCTATCAGCCACAG	2075
			Rev-attB2TCCTTGTTAAATATCAACCTACG	